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BACKGROUND OF THE INVENTION

The methods and systems of the present invention are directed to the modification and improvement of transmissions for automotive vehicles, more commonly referred to as "factory installed" transmissions, installed in an automotive vehicle by an original motor vehicle manufacturer. The invention is more particularly directed to improvements to the "factory installed" transmission identified as the Allison transmission (Series 1000/2000/2400) installed in vehicles manufactured by General Motors Corporation of Detroit, Michigan.

The present inventor owns the following United States patents, the disclosures of which are expressly incorporated by reference into the present application: U.S. Patent No. 4,449,426, issued May 26, 1984; U.S. Patent No. 4,711,140, issued December 8, 1987; U.S. Patent No. 4,790,938, issued December 13, 1988; U.S. Patent No. 5,253,549,issued October 19, 1993; U.S. Patent No. 5,540,628, issued July 30, 1996; U.S. Patent No. 5,624,342, issued April 29, 1997; U.S. Patent No. 5,730,685, issued March 24, 1998; U.S. Patent No. 5,743,823, issued April 28, 1998; U.S. Patent No. 5,768,953, issued June 23, 1998; U.S. Patent No. 5,820,507, issued October 7, 1998; U.S. Patent No. 5,967,928, issued October 19, 1999; U.S. Patent No. 6,099,429, issued August 8, 2000; U.S. Patent No. 6,117,047, issued September 12, 2000; U.S. Patent No. 6,287,231, issued September